## ISSUE SLIP STAPLE AREA (for additional cross references)

|                           | 10157015 | ID NO.  | DATE       |  |  |  |  |  |
|---------------------------|----------|---------|------------|--|--|--|--|--|
| POSITION                  | INITIALS | 10 110. | UATE       |  |  |  |  |  |
|                           |          |         |            |  |  |  |  |  |
| FEE DETERMINATION         |          |         | - 111/2/21 |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |          | 8       | 102/14/0   |  |  |  |  |  |
| FORMALITY REVIEW          | 55       | 573     | 07-52-01   |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | al       | 1030    | 6-14-01    |  |  |  |  |  |
|                           | ŢĪ.      |         |            |  |  |  |  |  |

## INDEX OF CLAIMS

| Rejected                     | N Non-elected |
|------------------------------|---------------|
| = Allowed                    | IInterference |
| _ (Through numeral) Canceled | A Appeal      |
| ÷ Restricted                 | 0 Objected    |

| ı   |             |   |                |                           |              |          |          |          |                |          |          |          | Claim      |  |          |          |     |          |          |          |          |          |          | ì        | Claim Date |          |           |              |                |  |          |          |           |          | 7                       |          |
|-----|-------------|---|----------------|---------------------------|--------------|----------|----------|----------|----------------|----------|----------|----------|------------|--|----------|----------|-----|----------|----------|----------|----------|----------|----------|----------|------------|----------|-----------|--------------|----------------|--|----------|----------|-----------|----------|-------------------------|----------|
| - 1 | Cla         | alm<br>I                                | -              | 9 10 01 05<br>02 03 04 04 |              |          |          |          |                |          |          | $\dashv$ | Claim Date |  |          |          |     |          |          |          | Г        | ł        |          |          | Т          | Date     |           |              |                |  |          |          | $\dashv$  |          |                         |          |
|     |             | 쿌                                       | 9              | 10                        | 2            | 1        | 1        | ļ        |                |          | 1        |          |            | Origina                                      | ı        | 10/3     | 418 | 10       |          | ļ        |          |          |          | ı        |            | _        | Original  |              |                | 1  |          |          | Н         | 1        | 1                       |          |
| 1   | Final       | 퉏                                       | 02             | 103                       | الا          | į o      | Ť        |          |                |          |          |          | Final      | Ē  | ı        | øş       | 4   | 1        | •        | İ        |          |          |          |          |            | Final    | 욁         |              | 1              | 1  | П        | H        |           |          | - 1                     |          |
|     | -           | 9                                       | L              | L                         | <del> </del> | -        | ₽        | ╀        | ╌              | -        | ⊢⊢       | ┥        | "          |  | $\dashv$ | Ŋ        | N   | -        | Н        | -        | Н        | Н        | Н        | Н        | ł          | ۳        | 101       | +-           | ╁              | ╂  | -        | Н        | Н         | $\vdash$ | ┿                       | -        |
|     | _           | CHB to to Co Color to to to Congina     | 4              | [⊻                        | <u>  v</u>   | <b>\</b> | ╀        | ╀        | ├              | -        | ₩        | ┨        | -          | 51<br>53<br>54<br>55<br>55<br>57<br>58<br>59 | -        | ۳.       | -   | H        | Н        | $\vdash$ | -        |          |          | -        | 1          | -        | 102       | +            | ╁              | ╁  | -        |          | Н         | $\vdash$ | ┽                       | -        |
| 1   | -           | Ľ                                       | H              | Y                         | دا           | 1-       | ⊢        | ╀        | ⊢              | Н        |          | -        | $\vdash$   | *  | +        | Н        | Н   | -        | Н        | Н        | Н        | -        | Н        | Н        |            | Н        | 103       | ┿            | ╁              | ╁╌   | $\vdash$ | Н        | Н         | $\vdash$ | +                       | $\dashv$ |
| -   | _           | И.                                      | Ц              | ↓_                        | Ļ            | Ļ        | ┡        | ↓_       | ┞              | L        | +        | -        | $\vdash$   | 11   | $\dashv$ | +        |     | -        |          | -        | -        | -        | Н        | Н        | 1          | Н        | 104       | ╁            | ╀╌             | ╀  | H        | Н        | -         | ⊢        | -+                      | -        |
|     | _           | Ľ                                       | Н              | X.                        | צון          | 1-       | -        | ┼-       | ╁              | $\vdash$ |          | -        | -          | 1  |          | ╁        | Н   | -        | Н        | Н        | Н        | Н        | Н        | Н        |            | -        | 105       | ╂            | ╁              | ╁╌   | -        | -        | Н         | $\vdash$ | +                       | $\dashv$ |
| l   |             | \$                                      | Н              | 1                         | H            | ┞        | ⊢        | ╀        | <del> </del>   | $\vdash$ |          | ┥        | $\vdash$   | 3  | -        | H        | Н   | $\vdash$ | Н        | Н        |          | -        | Н        | H        | l          | H        | 106       | ╁            | H              | ┢  | ┢╌       | -        | Н         | $\vdash$ | +                       | $\dashv$ |
| t I | _           | Y.                                      | Н              | ₩                         | Н            | ⊢        | ╄-       | ╁╌       | ├-             | -        | +        | -        |            | 3  | -        | +        | Н   | <u> </u> | Н        | -        | _        | Н        | Н        | $\vdash$ | l          | H        | 107       | ╁┈           | ╁              | ╁╴   | -        | -        | Н         | $\vdash$ | +                       | 닉        |
| `   | _           | 1                                       | Н              | #                         | Н            | ┞        | ┼-       | ╁╌       | ╁              | $\vdash$ | -+-      | ┨        | -          | 뷻  | $\dashv$ | t        | Н   | Н        |          | H        |          | Н        | Н        | Н        | i          | Н        | 108       | ╁            | H              | ╁╌   | $\vdash$ | Н        | Н         | $\vdash$ | +                       | ᅱ        |
|     |             | H                                       | ╁╌             | Н                         | Н            | ┝        | ⊢        | ╁        | ╁              | -        |          | 1        | -          | T <sub>o</sub>                               | ┥        | 7        | ۲   | Н        | Н        | Н        | Н        | Н        | Н        | Н        | 1          |          | 109       | +-           | <del> </del> - | ╁┈   |          | -        | Н         | $\dashv$ | +                       | -        |
|     | -           | ľ                                       | Н              | H                         | Н            | -        | ╁        | ╀        | <del> </del>   |          |          | ┨        | K          | 60   | -        | 7        |     |          | Н        | Н        | $\vdash$ | Н        | Н        | Н        | ı          |          | 110       | +            | ╁              | t  | H        | Н        | H         | $\dashv$ | $\dashv$                | $\dashv$ |
|     | _           | H                                       | Н              | ++                        | Н            | -        | ╁        | ╁        | ⊢              | Н        | +        | ┨        | 10         | 6  | <u>'</u> | i        | =   | Ī        | Н        | ├─       |          | Н        | Н        | -        | l          |          | 111       | +-           | ϯ╴             | ┼-   | H        | -        | Н         | $\dashv$ | $\dashv$                | ┪        |
|     |             | 1                                       | Н              | H                         | Н            | ╀        | 1-       | ╀        | ╀╌             | Н        | +        | ┨        | 19<br>21   | 62   | -1       | H        | H   | Н        | Н        | -        | $\vdash$ | Н        | Н        |          | ŀ          |          | 112       | +            | ✝              | ✝  | Н        | $\vdash$ |           | _        | ┰                       | -        |
| 1.1 | -           | 100                                     | Н              | ₽                         | Н            | ┝        | ┢        | ╀┈       | -              | Н        | +        | ┨        | 4          |  | -        | H        | H   | Н        | Н        |          |          | -        | Н        | Н        | ŀ          |          | 113       | +            | †-             | 1  | Н        | $\vdash$ | Н         | 1        | +                       | -        |
|     | -           | 1                                       | Н              | ₩                         | Н            | ┝        | ╁╌       | ╁╌       | -              | -        |          | ┨        | 14         | RA   | +        | H        | Н   | ++       |          | -        |          |          | Н        | Н        |            | _        | 114       | +            | t              | <del>                                     </del> | Н        | Н        | Н         | -1       | +                       | +        |
|     | -1          | H                                       | Н              | ╁╂                        | Н            | ┝        | ╁╌       | ╁╌       | -              | $\vdash$ |          | ┨        | 27222      | 65   | 7        | H        | Н   | +        | Н        | Н        | -        |          | Н        | Н        | ١.         |          | 115       | +-           | t              | ┪-   | Н        | -        | ٦         | _        | +                       | 7        |
|     | -           | 15<br>18<br>17                          | ╢              | ╁╂                        | Н            | ⊢        | ╁        | ╁╌       | ╁╴             | Н        | -+-      | ┨        | 27         | 66   | ┪        | V        | •   | 1        | Н        | Н        |          |          | H        | Н        | i          |          | 116       | +            | t              | $\vdash$   | Н        |          | ┪         | 寸        | ナ                       | ┨.       |
| 1   | -           | 1                                       | V              | ╁                         | ۲            | ╁╴       | ╂        | +-       | <del> </del> — | ╁┤       |          | 1        | 2          | 67   | ┪        | 4        | _   | -        | H        | Н        | -        | $\dashv$ | Н        | Н        |            |          | 117       | 十            | t              |  |          | $\neg$   |           | 7        | ナ                       | 1        |
| 1   | -           | 4                                       | N              |                           | ╀            | -        | -        | ╂        | -              | Н        | +        | ┨        |            | 68   | ┪        | $\neg$   |     | H        | Н        | П        |          | $\neg$   | Н        | П        |            |          | 118       | +            | t              | 1  | -        |          |           |          | 7                       | 1        |
|     | -           | 1                                       | f.             | +-                        | -            | H        | $\vdash$ | $\vdash$ | ╁              | Н        |          | 1        | $\vdash$   | 69   | 7        | _        | _   | Н        |          | Н        |          | $\dashv$ |          |          |            |          | 119       | T            | f              | T  | H        |          |           | ヿ        | 十                       | 1        |
|     |             | H                                       | Н              | ╀─                        | ⊢            | ╁        | ╀─       | ┼        | ┼-             | Н        |          | ┨        | -          | 70   | +        |          |     |          | Н        | Н        |          | -        | H        |          |            |          | 120       | T            | t              | H  | Н        |          | $\dashv$  | 十        | 十                       | 1        |
|     | -           | 4                                       | H              | <b>├</b> -                | -            | ⊢        | ⊢        | ┢        |                | Н        | $\dashv$ | 4        | -          | 71   | $\dashv$ | -        | _   | -        | Н        | Н        | $\dashv$ | -        | ⊢        | $\dashv$ |            | Н        | 121       | ╁            | ⊢              | $\vdash$   | Н        | $\dashv$ | $\dashv$  | $\dashv$ | +                       | 4        |
| 4   |             | 4                                       | Н              | ├                         | ļ            | -        | ⊬        | -        | ⊢              | H        | -        | ┨        | $\vdash$   | 72   | -        | -        | _   |          |          | -        | -        | $\dashv$ | Н        | Н        |            | $\vdash$ | 122       | ╁╌           | ┝              | -  | Н        | $\dashv$ | ᅥ         | -        | +                       | $\dashv$ |
|     | -           | K.                                      | H              | ┰                         | L            | ⊬        | ₽        | ╀        | ⊢              | Н        |          | ┨        |            | 73   | $\dashv$ | -        | Н   | -        | -        | -        |          | -        | $\vdash$ | Н        |            |          | 123       | ╁            | ┝              | -  | $\vdash$ | -        | -         | -+       | +                       | ┨        |
|     | -           | 2 | +              | ╁                         | _            | ├-       | -        | 1        | -              | Н        | -        | ┨        | -          | 74   | -        | -        | -   | -        | $\dashv$ | $\vdash$ | -        |          | $\vdash$ |          |            |          | 124       | ╁╴           | +              | -  | Н        | -        | -+        | +        | +                       | ┨        |
|     |             | H                                       | Н              | ⊢                         | $\vdash$     |          | ┼~       | -        | -              | -        | -        | 1        | -          | 75   | $\dashv$ |          |     | -        | -        |          | -        |          | -        | ٣        |            | Н        | 125       | ╁╴           | H              |  |          |          | -         | -+       | +                       | 7        |
|     | -           | 1                                       | H              | ├                         | ┝            | ⊢        | -        | ₽        | Н              | H        |          | ┨        | $\vdash$   | 76   | ┪        |          |     | $\vdash$ |          | D        | E        | 2        | 7        | $\dashv$ | 11         | / A      | 84        | A            | Ι.             |  |          | ┧        | 4         | 士        | _                       | 1        |
|     | -           | 4                                       | Ň              | 17                        | 7            | ╁        | ┢╌       | ╁╌       | -              |          | -        | 1        | H          | 77   | ┥        | -        |     |          | -4       | יכ       |          | 3        | •        | -/       | ١,         | М        | <b>;;</b> | η\i          | ы              |  |          | U        | H         | <b>)</b> | 7)                      | 1        |
|     | -           | 28                                      |                | 1                         | 1            | ├~       | ├        | ╁        |                | H        |          | ┨        | -          | 78   | -†       | $\dashv$ |     | Н        | $\dashv$ |          | ┪        | -        | $\dashv$ | $\dashv$ |            | H        | 128       | +            | 1-             |  |          | ٦        | ┪         | 7        | -1                      | ٦.       |
| - 1 | -           | 29                                      | Н              | Н                         | Н            | ╁        | ┢        | -        | $\vdash$       | Н        | -        | ┨        | H          | 79   | +        | -        |     | Н        | $\dashv$ |          | 一        |          | -        | ┪        |            |          | 29        | +            | ┢              | m  | $\dashv$ | -        | 7         | ヿ        | 1                       | 1        |
|     | _           | 30                                      | ╢              | ╁                         | ╁            | ├-       | ┢        | ╁        |                | Н        |          | ┨        | -          | 80   | +        | -        | -   | Н        |          |          |          |          | -        | ⊣        |            | Н        | 30        | +            | <del> </del>   | 1-   | $\dashv$ | 7        | 7         | ヿ        | 7                       | 1        |
|     | -           | 31                                      | Н              | H                         | Н            | ┝        | ╁╌       | +-       |                | $\vdash$ |          | ┨        | H          | 81   | ┪        | -        |     | Н        | -        | -        | $\neg$   | 7        | -        | $\dashv$ |            |          | 131       | 1            | 1              | $\vdash$   |          | _        | 7         | 十        | $\top$                  | 1        |
| Į   | -           | 32                                      | Н              | H                         | Н            | -        | 1        | +-       | -              | Н        | +        | 1        | H          | 82   | 7        | $\dashv$ |     | Н        |          |          |          | 7        | H        | ᅱ        |            |          | 132       | $^{\dagger}$ | Η              | 1  | $\dashv$ | 寸        | 7         | 寸        | $\top$                  | 1        |
| K   | _           | 33                                      | V              | H                         | V            | 1        | ╁        | ╁        | $\vdash$       | Н        | -        | 1        | $\vdash$   | 83   | 7        |          |     | Н        | $\neg$   |          |          | -1       | H        | -1       |            | H        | 133       | 1            | 1              |  |          |          | $\neg$    | 7        | す                       | ٦        |
| 끅   | ١,          | 3                                       | Ť              | ╁╂                        | Ē            | =        | 1        | ╁        | -              | -        | -        | 1        | Н          | 84   | +        | ┪        | _   |          | -1       | 7        |          | _        | -        |          |            |          | 134       | $\top$       | T              |  | П        | T        | ヿ         | _        | T                       | 7        |
|     |             | 35                                      | 1              | ††                        | -            | ī        | 1        | -        | -              | Н        |          | 1        | H          | 85   | 7        | -        |     | Н        | Н        | Н        | $\dashv$ | ┪        | Н        |          |            | Н        | 135       | 1            | T              |  | П        |          | ٦         | $\neg$   | T                       | 7        |
|     | 2           | 36                                      |                | ††                        | Н            | H        | 1        | $\vdash$ | +              |          | -        | 1        | $\vdash$   | 86   | 7        | ٦        |     | Н        |          | -        |          |          | 1        | -        |            |          | 136       | $\top$       | Τ              |  |          |          | ┑         | $\neg$   | T                       | 7        |
|     | 2<br>3<br>4 | 37                                      | 1              | ††                        | Н            | H        | 1        | H        | Т              |          | _        | 1        |            | 87   | _        | _        |     | Н        | $\dashv$ | Н        | 7        | ┪        | Н        | $\neg$   |            | П        | 137       | 1            | T              | 1  | П        | $\neg$   | $\exists$ | T        | Т                       | ]        |
|     | 5           | 38                                      | <del>†</del>   | H                         | Н            | H        | +        | $\vdash$ | 1              |          | $\top$   | 1        | $\vdash$   | 88   | 7        | _        | _   |          | $\neg$   | П        |          |          |          |          |            | Н        | 38        | 1            | Τ              | П  |          |          |           | $\Box$   | $\Box$                  | ]        |
|     | Ĭ           | 38<br>39                                | 3              | Ħ                         | Н            | 11       | ⇈        | $\vdash$ | $\vdash$       |          | -1-      | 1        | -          | 89   | 7        |          |     |          | П        | П        |          |          |          | П        |            | П        | 39        | 1            | Γ              |  |          |          | I         | $\Box$   |                         |          |
|     | 7           | 40                                      | 1              | Ħ                         | Н            | H        | ✝        | $\vdash$ | ┢              |          |          | 1        |            | 90   |          | _        | _   |          |          |          |          | ┪        | П        | П        |            |          | 40        |              |                |  | П        | ٦        |           | П        | T                       | ]        |
|     | ŕ           | 41                                      | -              | H                         | Н            | H        | ╁        | 1        | H              |          | $\vdash$ | 1        |            | 91   | 7        | _        | _   |          | Н        | _        |          |          | H        |          |            |          | 141       | T            | $\vdash$       |  | П        |          |           | T        | T                       | 7        |
|     | 9           | 42                                      | 1              | Н                         | Н            | H        | ╁        | ╁╴       | ╁┈             | +-       | -        | 1        |            | 92   | 7        | _        | -   |          | Н        | _        |          | ᅥ        | Н        | $\dashv$ |            | 1        | 142       | ┪-           | H              |  | H        |          | _         | $\neg$   | Т                       | 7        |
|     | -           | 43                                      |                | ╁                         | Н            | Н        | +-       | +        | ╁╌             |          | $\vdash$ | 1        |            | 93   | _        |          |     | -        | Н        |          |          | 7        | Н        | $\dashv$ |            |          | 143       | +            | T              | T  |          | $\neg$   | T         | $\top$   | Т                       | ]        |
|     | 11          | 1                                       | <del>\</del> - | ╁┤                        | Н            | H        | ╁╴       | -        | ╌              |          | $\vdash$ | 1        | -          | 94   | _        | _        |     |          | П        | _        |          | 7        | Н        | Н        |            |          | 144       | †            | Τ              |  | П        | $\neg$   |           | T        | T                       | 3        |
|     | 12          | 44<br>45<br>46                          | 1              | +                         | H            | ††       | t        | 十        | 1              | $\vdash$ | $\vdash$ | 1        |            | 95   | -        | -        |     | Н        | H        | Н        | $\neg$   | 一        | H        | $\dashv$ |            |          | 145       | T            | 1              | T  | П        |          | $\neg$    | T        | Ţ                       | ]        |
|     | 13          | 46                                      | 17             | $\dagger$                 | H            | H        | t        | ⇈        | T              |          | $\vdash$ | 1        | -          | 96   | _        | _        |     |          | П        | Н        |          |          | Ħ        | Ħ        |            | $\vdash$ | 46        | T            | 1              | i  |          | $\neg$   | _1        |          | $oldsymbol{\mathbb{I}}$ |          |
|     | 14          | 47                                      | ۲              | H                         | ##           | H        | 1        | +        | 1-             | 1        | $\vdash$ | 1        | $\vdash$   | 97   | 1        |          |     |          |          | П        |          |          | 1        | Н        |            |          | 47        | $\top$       | T              | П  |          |          | $\exists$ | I        | $oldsymbol{I}$          |          |
|     | 15          | 48                                      |                | Н                         | H            | H        | +        | 1        | t              | ┌        | _        | 1        | 1          | 98   | 7        | -        |     |          | Н        |          |          | -        | $\vdash$ | $\dashv$ |            |          | 148       | 1            | 1-             |  | П        | 7        |           | $\Box$   | I                       | 1        |
|     | 16          |   |                | $\dagger \dagger$         | Ħ            | Ħ        | 1        | †        | T              | 1        | $\vdash$ | 1        |            | 99   | 7        |          |     | Π        |          |          |          | _        | $\vdash$ |          |            | _        | 149       | 1            | 1              |  |          |          |           | $\Box$   | 1                       | 4        |
|     | 17          | 50                                      |                | V                         |              |          |          |          |                |          | ╽.       | ]        |            | 100  |          |          |     |          |          |          |          |          |          |          |            |          | 50        | T            |                |  |          | $\Box$   | $\Box$    |          | $\perp$                 | ز_       |
|     | 7           |   |                |                           |              |          |          |          |                |          |          |          |            |  |          |          |     |          |          |          |          |          |          |          |            |          |           |              |                |  |          |          |           |          |                         |          |

If more than 150 claims or 10 actions staple additional sheet here

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